

DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2025/01/23
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Correction Number	CP-2429
Log Summary: Update ROI DateTime and ROI Observation DateTime	
Name of Standard	PS3.3 2024e
<p>Rationale for Correction:</p> <p>During the FT review of CP 2296 in January 2024, the text of attributes ROI DateTime (3006,002D) and ROI Observation DateTime (3006,002E) was changed from “DateTime this ROI/ROI Observation was last modified” to “... was last created”.</p> <p>Yet, the intention was actually to represent the actual latest change of the ROI, as it is also reflected in the attribute ROI Creator Sequence (3006,004D) that was added at the same time: “The person or device that last modified this ROI”.</p> <p>For example, an automated segmentation device may have created an ROI, but it was later on modified by a physician. Thus, the latest change is the one to be conveyed in the RT Structure Set, but it is irrelevant when and by whom it was created.</p> <p>This CP corrects this change.</p>	
Correction Wording:	

Update in PS3.3, Annex C

C.8.8.5 Structure Set Module

A structure set defines a set of areas of significance. Each area can be associated with a Frame of Reference and zero or more images. Information that can be transferred with each region of interest (ROI) includes geometrical and display parameters, and generation technique.

Table C.8-41. Structure Set Module Attributes

Attribute Name	Tag	Type	Attribute Description
Structure Set Label	(3006,0002)	1	User-defined label for Structure Set.
...			
Structure Set ROI Sequence	(3006,0020)	1	ROIs for current Structure Set. One or more Items shall be included in this Sequence.
>ROI Number	(3006,0022)	1	Identification number of the ROI. The value of ROI Number (3006,0022) shall be unique within the Structure Set in which it is created.

Attribute Name	Tag	Type	Attribute Description
...			
>ROI DateTime	(3006,002D)	3	DateTime when this ROI was last modified created .
...			
>ROI Creator Sequence	(3006,004D)	3	The person or device that last modified this ROI. Only a single Item is permitted in this Sequence.
>>Include Table C.17-3b "Identified Person or Device Macro"			Organizational Role Code Sequence (0044,010A) DCID 9555 "Radiotherapy Treatment Planning Person Role"

Update PS3.3, C.8.8.8

C.8.8.8 RT ROI Observations Module

The RT ROI Observations Module specifies the identification and interpretation of an ROI specified in the Structure Set Module and ROI Contour Module.

Table C.8-44. RT ROI Observations Module Attributes

Attribute Name	Tag	Type	Attribute Description
RT ROI Observations Sequence	(3006,0080)	1	Sequence of observations related to ROIs defined in the ROI Module. One or more Items shall be included in this Sequence.
>Observation Number	(3006,0082)	1	Identification number of the Observation. The value of Observation Number (3006,0082) shall be unique within the RT ROI Observations Sequence (3006,0080).
>Referenced ROI Number	(3006,0084)	1	Uniquely identifies the referenced ROI described in the Structure Set ROI Sequence (3006,0020).
>ROI Observation DateTime	(3006,002E)	3	DateTime this ROI Observation was last modified created .
...			